

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



WOLVO VNL 138 (S/N 4V4NC9EH0NN304380)

Diesel Engine

PETRO CANADA DURON SHP 10W30 (---

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

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GAL)				Jun 2023		
SAMPLE INFO	RMATIOI	N method	limit/base	current	history 1	history 2
Sample Number		Client Info		PCA0097519		
Sample Date		Client Info		24 Jun 2023		
Machine Age	mls	Client Info		231000		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINA	TION	method	limit/base	current	history 1	history 2
Fuel		WC Method	>6.0	<1.0		
Glycol		WC Method		NEG		
WEAR META	LS	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>100	25		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>2	1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>25	1		
Lead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	5		
Tin	ppm	ASTM D5185m	>15	1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	2	0		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	50	64		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	950	966		
Calcium	ppm	ASTM D5185m	1050	1131		
Phosphorus	ppm	ASTM D5185m	995	1062		
Zinc	ppm	ASTM D5185m	1180	1327		
Sulfur	ppm	ASTM D5185m	2600	3421		
CONTAMINA	NTS _	method	limit/base	current	history 1	history 2

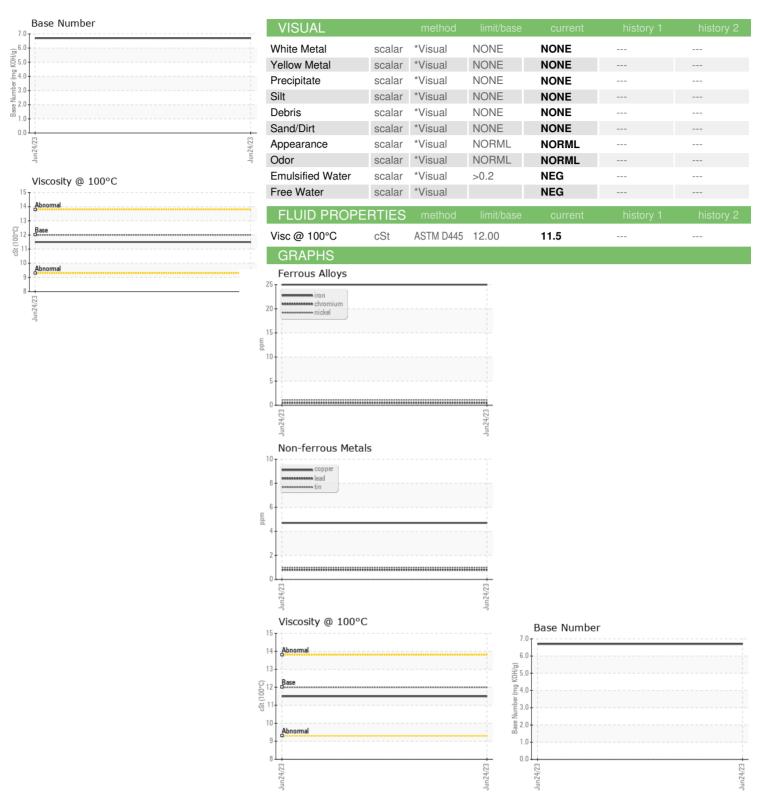
Calcium	ppm	ASTM D5185m	1050	1131		
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Zinc	ppm	ASTM D5185m	1180	1327		
Sulfur	ppm	ASTM D5185m	2600	3421		
CONTAMINAN	NTS	method	limit/base	current	history 1	history 2
CONTAMINAN Silicon	NTS ppm	method ASTM D5185m		current 5	history 1	history 2

Soot %	%	*ASTM D7844	>3	0.4		
Nitration	Abs/cm	*ASTM D7624	>20	10.5		
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.3		
FLUID DEGRA	DATION	method	limit/base	current	history 1	history 2
FLUID DEGRAD		method *ASTM D7414		current 18.1	history 1	history 2

INFRA-RED



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number Unique Number

: PCA0097519 : 05887349

: 10537832 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 Jun 2023 Diagnosed : 02 Jul 2023

: Wes Davis Diagnostician

PLAINFIELD, IL US 60544 Contact: JOSHUA HUBBARD

joshua@tvarepairllc.com T: (815)306-0330

TVA REPAIR LLC

13915 W ROUTE 30

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)